

Recombinant STAT 3 Protein

Background

The Signal transducer and activator of transcription 3 (STAT 3), functions as a cytoplasmic mediator of cytokine signaling and nuclear transcription factor. STAT3 is considered as one of the most crucial member of the STAT family. STAT3 activation occurs via the phosphorylation of tyrosine residue (Y705) by JAK (Janus Kinase) and serine (S727) by MAPK and non-receptor tyrosine kinases. In particular STAT 3 activity is detected in a wide variety of tumors, driving multiple pro-oncogenic functions.

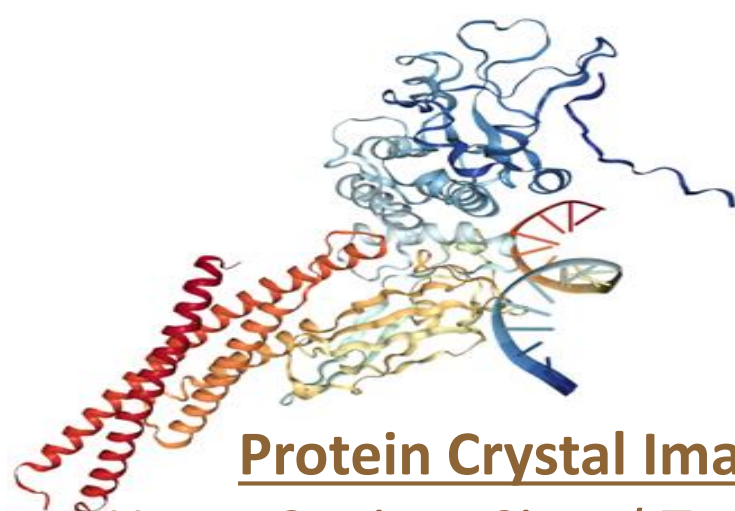
Product Details

Full Product Name	Signal transducer and activator of transcription 3
Product Code	RSTAT00114
Molecular weight	14 kDa
Research use only	For Research Use Only. Not for use in diagnostic procedures.
Sequence	AQWNQLQQLD TRYLEQLHQL YDSFPMELR QFLAPWIESQ DWAYAASKES HATLVFHNLLGEIDQQYSRF LQESNVLYQH NLRRIKQFLQ SRYLEKPMEI ARIVARCLWE ESRLLQTAA
Host	E.coli
Purity/ Purification	Greater than 98% purified by Ni NTA and determined by SDS-PAGE.
Form	Lyophilized powder. Dilute to 1 mg/mL in PBS.
Purification Tag	C- terminus 6 X His tag
Applications	Drug discovery, research, cell proliferation assays
Preparation and Storage	Store at -20 degree C, for extended storage
ISO Certification	Manufactured in an ISO 9001:20015 Certified Laboratory.

SDS-PAGE Image of STAT 3



14kDa



Protein Crystal Image

*Homo Sapiens Signal Transducer
and Activator of Transcription 3*

Ordering Information:
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